

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 06171947
PUBLICATION DATE : 21-06-94

APPLICATION DATE : 11-12-92
APPLICATION NUMBER : 04331993

APPLICANT : MITSUI TOATSU CHEM INC;

INVENTOR : OMUKAI TOSHIO;

INT.CL. : C01G 31/02 H01M 4/58

TITLE : PRODUCTION OF LITHIUM VANADIUM OXIDE

ABSTRACT : PURPOSE: To produce lithium vanadium oxide represented by a chemical formula $\text{Li}_{1+X}\text{V}_3\text{O}_8$ ($0 \leq X \leq 0.5$) and suitable for use as an active material for the positive electrode of a secondary battery contg. a nonaq. solvent in the form of powder in a short time and to remarkably reduce the cost of production.

CONSTITUTION: When vanadium pentoxide is mixed with a lithium compd. and the lithium vanadium oxide represented by $\text{Li}_{1+X}\text{V}_3\text{O}_8$ ($0 \leq X \leq 0.5$) is produced, vanadium pentoxide and a lithium compd. selected among lithium oxide, lithium hydroxide, lithium carbonate and lithium nitrate are heated to 500-550°C, while rolling them in a rotating cylindrical kiln such as a rotary kiln or a retort kiln.

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